

US007133691B2

(12) United States Patent Kang

(10) Patent No.: US 7,133,691 B2 (45) Date of Patent: Nov. 7, 2006

(54) PORTABLE PHONE WITH CAMERA

(75) Inventor: Jae Soon Kang, Kyonggi-do (KR)

(73) Assignee: LG Electronics Inc., Seoul (KR)

(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 265 days.

(21) Appl. No.: 10/161,905

(22) Filed: Jun. 4, 2002

(65) Prior Publication Data

US 2002/0187818 A1 Dec. 12, 2002

(30) Foreign Application Priority Data

Jun. 12, 2001 (KR) 2001-32865

(51) **Int. Cl. H04M 1/00**

(2006.01)

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

5,259,019 A 11/1993 Stilley

5,491,507 A 2/1996 Umezawa et al. 5,832,080 A 11/1998 Beutler et al.

FOREIGN PATENT DOCUMENTS

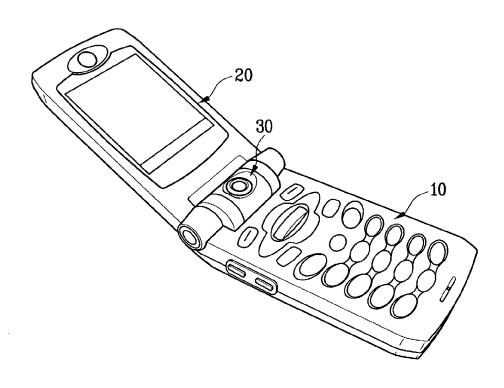
EP	0 898 405 A2	2/1999
EP	1 096 771 A1	2/2001
JP	11-069214	3/1999
JP	2000-253113	9/2000
JP	2000-253124	9/2000

Primary Examiner—Lee Nguyen (74) Attorney, Agent, or Firm—Lee, Hong, Degerman, Kang & Schmadeka

(57) ABSTRACT

A portable telephone with a camera is disclosed, in which a functionality of a camera being rotated to an object in any desired rotational angle without a main body turned around. The portable telephone comprises a main body having a control panel installed on a front face of the main body and a rotation-support part formed in an upper end of the main body, a folder having a display panel and a speaker installed on a front face of the folder and having a connecting part formed in a low end of the folder, the connecting part being rotatably coupled to outer sides of the rotation-support part, and a camera module being rotatably coupled to inner sides of the rotation-support parts.

27 Claims, 6 Drawing Sheets



379/433.13